

SECTION 07160
BITUMINOUS DAMPPROOFING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Cold applied asphalt bitumen dampproofing

1.2 SUBMITTALS

- A. Submit the following in accordance with Section 01300.
 - 1. Catalog data describing properties of primer and bitumen.
 - 2. Manufacturer's installation instructions indicating environmental requirements.

1.3 QUALITY ASSURANCE

- A. Perform work in accordance with NRCA Waterproofing Manual.
- B. Use an applicator having successfully completed at least 10 jobs of similar size and scope as this project.

1.4 ENVIRONMENTAL REQUIREMENTS

- A. Environmental conditions must meet the moisture and temperature requirements contained in the manufacturer's installation instructions.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Karnak Corporation, 83 AF Fibrated dampproofing
- B. W.R.Meadows, Sealtight Type 2, brush or spray on type

2.2 COLD ASPHALTIC MATERIALS

- A. Use asphalt primer conforming to ASTM D41.
- B. Use asphalt emulsion conforming to ASTM D1227, Type 4.

2.3 PROTECTION BOARD

- A. Use rigid insulation specified in Section 07200 to a depth of 36 inches below grade. Use 1/2 inch thick bitumen impregnated hardboard beyond 36 inches below grade.

PART 3 EXECUTION

3.1 INSPECTION

- A. Verify substrate surfaces are durable and free of matter detrimental to adhesion or application of dampproofing system.
- B. Verify items which penetrate surfaces to receive dampproofing are securely installed.

3.2 PREPARATION

- A. Protect adjacent surfaces not to receive dampproofing.
- B. Clean and prepare surfaces to receive dampproofing in accordance with manufacturer's installation instructions.
- C. Do not apply dampproofing to surfaces unacceptable to manufacturer.
- D. Apply mastic to seal penetrations, small cracks, or minor honeycomb in substrate.

3.3 APPLICATION

- A. Prime surfaces in accordance with manufacturer's installation instructions.
- B. Apply cold bitumen by spray application or by trowel.
- C. Apply bitumen from 2 inches below grade elevation to top of footings.
- D. Seal items projecting through dampproofing surface with mastic.

3.4 PROTECTION BOARD INSTALLATION

- A. Place protection board directly against membrane; butt joints.
- B. Adhere protection board to tacky dampproofing surface.
- C. Scribe and cut boards around projections, penetrations and interruptions.

END OF SECTION